

**SWAMI VIVEKANAND UNIVERSITY, SIRONJA,
SAGAR (M.P.)**



SCHEME

**For
MASTER OF TECHNOLOGY
(M.Tech.) COMPUTER SCIENCE
Course Code: MTCS**

Department of Computer Science & Engineering
Faculty of Engineering

Duration of Course	: 2 Year
Examination Mode	: Semester
Examination System	: Grading

Swami Vivekanand University, Sironja Sagar (M.P.)
2016-2017



Swami Vivekanand University, Sagar(M.P.)

Faculty : Engineering

Department : Computer Science & Engineering

Scheme of Course : M.Tech.-Computer Science Course Code : MTCS

W E F 2016-2017



Semester - I

Paper / Subject Code	Title of the Paper / Subject	Credit Allotted			Total Credit	Distribution of											Duration of Theory Exam
		L	T	P		Theory						Practica			Grand Total (H= D+G)		
						End Sem.		Internal		Total (D=A+B +C)	End Sem.		Total (G= E+F)				
						Max (A)	Min	TW (B)	MST (C)		Max (E)	Min		LW (F)			
MTCS-0101	Advanced Computational Mathematics	3	1	-	4	70	28	10	20	100	-	-	-	-	100	3 Hrs	
MTCS-0102	Advanced Data Structures	3	1	-	4	70	28	10	20	100	-	-	-	-	100	3 Hrs	
MTCS-0103	Advanced Computer Architecture	3	1	-	4	70	28	10	20	100	-	-	-	-	100	3 Hrs	
MTCS-0104	Object Oriented Technology	3	1	-	4	70	28	10	20	100	-	-	-	-	100	3 Hrs	
MTCS-0105	Advanced Computer Networking	3	1	-	4	70	28	10	20	100	-	-	-	-	100	3 Hrs	
MTCS-0106	Lab 1(MTCS-0103,MTCS-0105)	-	-	6	6	-	-	-	-	-	90	36	60	150	150	-	
MTCS-0107	Lab 2(MTCS-0102,MTCS-0104)	-	-	6	6	-	-	-	-	-	90	36	60	150	150	-	
	Total	15	5	12	32	350	-	50	100	500	180	-	120	300	800		



Swami Vivekanand University, Sagar(M.P.)

Faculty : Engineering

Department : Computer Science & Engineering

Scheme of Course : M.Tech.-Computer Science Course Code : MTCS

WEF 2016-2017



Semester - II

Paper / Subject Code	Title of the Paper / Subject	Credit Allotted			Total Credit	Distribution of Marks										Duration of Theory Exam
		L	T	P		Theory					Practical			Grand Total (H= D+G)		
						End Sem.		Internal		Total (D= A+B+C)	End Sem.		Internal LW (F)		Total (G= E+F)	
						Max (A)	Min	TW (B)	MST (C)		Max (E)	Min				
MTCS-0201	Web Technology and E-Commerce	3	1	-	4	70	28	10	20	100	-	-	-	-	100	3 Hrs
MTCS-0202	Information theory, coding and cryptography	3	1	-	4	70	28	10	20	100	-	-	-	-	100	3 Hrs
MTCS-0203	Advanced Concept in Data Bases	3	1	-	4	70	28	10	20	100	-	-	-	-	100	3 Hrs
MTCS-0204	System Programming	3	1	-	4	70	28	10	20	100	-	-	-	-	100	3 Hrs
MTCS-0205	Soft Computing	3	1	-	4	70	28	10	20	100	-	-	-	-	100	3 Hrs
MTCS-0206	LAB-1 (MTCS-0204)	-	-	6	6	-	-	-	-	-	90	36	60	150	150	-
MTCS-0207	LAB-2 (MTCS-0205)	-	-	6	6	-	-	-	-	-	90	36	60	150	150	-
	Total	15	5	12	32	350	-	50	100	500	180	-	120	300	800	



Swami Vivekanand University, Sagar(M.P.)



Faculty : Engineering

Department : Computer Science & Engineering

Scheme of Course : M.Tech.-Computer Science Course Code : MTCS

W E F 2016-2017

Semester III

Paper / Subject Code	Title of the Paper / Subject	Credit Allotted			Total Credit	Distribution of Marks										Grand Total (H= D+G)	Duration of Theory Exam
		L	T	P		Theory					Practical						
						End Sem.		Internal		Total (D= A+B+C)	End Sem.		Internal	Total (G= E+F)			
						Max (A)	Min	TW (B)	MST (C)		Max (E)	Min	LW (F)				
MTCS-0301	(A)Data Warehousing & Mining (B) Real Time Fault Tolerant System	3	1	-	4	70	28	10	20	100	-	-	-	-	100	3 Hrs	
MTCS-0302	(A)Network Security (B)Simulation and Modeling	3	1	-	4	70	28	10	20	100	-	-	-	-	100	3 Hrs	
MTCS-0303	Seminar	-	-	4	4	-	-	-	-	-	-	-	100	100	100	-	
MTCS-0304	Dissertation Part- I (Literature)	-	-	8	8	-	-	-	-	-	120	48	80	200	200	-	
	Total	6	2	12	24	140	-	20	40	200	120	-	180	300	500		



Swami Vivekanand University, Sagar(M.P.)



Faculty : Engineering

Department : Computer Science & Engineering

Scheme of Course : M.Tech.-Computer Science Course Code : MTCS

WEF 2016-2017

Semester IV

Paper / Subject Code	Title of the Paper / Subject	Credit Allotted			Total Credit	Distribution of Marks										Duration of Theory Exam
		L	T	P		Theory					Practical			Grand Total (H= D+G)		
						End Sem.		Internal		Total (D=A+B+C)	End Sem.		Internal		Total (G=E+F)	
						Max (A)	Min	TW (B)	MST (C)		Max (E)	Min				
MTCS-0401	Dissertation Part- II	-	-	20	20	-	-	-	-	-	300	120	200	500	500	-
	Total	-	-	20	20	-	-	-	-	-	300	-	180	500	500	